

**Models: FG21SP-NG  
FG21SP-LP**  
**Decorative Gas Log Set**  
**For Use With The Fogata**  
**Grande only**



	<p><b>CAUTION</b></p> <p><b>DO NOT DISCARD THIS MANUAL</b></p>	
<ul style="list-style-type: none"> <li>• Important operating and maintenance instructions included.</li> </ul>	<ul style="list-style-type: none"> <li>• Read, understand and follow these instructions for safe installation and operation.</li> </ul>	<ul style="list-style-type: none"> <li>• Leave this manual with party responsible for use and operation.</li> </ul>

**⚠ WARNING**

**If the information in these instructions is not followed exactly, a fire or explosion may result causing property damage, personal injury, or death.**

- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- **What to do if you smell gas:**
  - Do not try to light any appliance.
  - Do not touch any electrical switch. Do not use any phone in your building.
  - Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
  - If you cannot reach your gas supplier, call the fire department.
- Installation and service must be performed by a qualified installer, service agency, or the gas supplier.
- For Outdoor Use Only.

**⚠ WARNING**

**HOT! DO NOT TOUCH. SEVERE BURNS MAY RESULT. CLOTHING IGNITION MAY RESULT.**

Cast iron and other surfaces are hot during operation and cool down.

- Keep children away.
- **CAREFULLY SUPERVISE** children around the firepit.
- Alert children and adults to hazards of high temperatures.
- Keep clothing, furniture, draperies and other combustibles away.

**⚠ WARNING**

Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Read the installation, operating and maintenance instructions thoroughly before installing or servicing this equipment.

Installation and service of this appliance should be performed by qualified personnel. Hearth & Home Technologies suggests NFI certified or factory-trained professionals, or technicians supervised by an NFI certified professional.

**Read this manual before installing or operating this appliance.  
Please retain this owner's manual for future reference.**

### ***Congratulations***

Congratulations on selecting a Quadra-Fire decorative gas log set. The Fogata Grande you have selected is designed to provide the utmost in safety, reliability, and entertainment.

As the owner of a Fogata Grande, you'll want to read and carefully follow all of the instructions contained in this owner's manual. Pay special attention to all cautions and warnings.

This owner's manual should be retained for future reference. We suggest you keep it with your other important documents and product manuals.

The information contained in this owner's manual, unless noted otherwise, applies to all models and gas control systems.

Your new Fogata Grande will give you years of durable use and trouble-free enjoyment. Welcome to the Quadra-Fire family of appliance products!

<b>Homeowner Reference Information</b>	<i>We recommend that you record the following pertinent information about your appliance:</i>
Model Name: _____	Date purchased/installed: _____
Serial Number: _____	Location on appliance: _____
Dealership purchased from: _____	Dealer phone: _____
Notes: _____	
_____	
_____	

### **Listing Label Information/Location**

The model information regarding your specific appliance can be found on the rating plate located in the control area of the appliance.

	<b>LISTED OUTDOOR GAS FIREPLACE CSA 4.96 U.S. (3rd Ed.), Outdoor Gas Fireplace</b>	<b>Quadra-Fire 20802 Kensington Blvd Lakeville, MN 55044</b>
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Models: FG21SP-NG  
FG21SP-LP

MFG. DATE:

Serial #:

Outdoor Gas Fireplace  
Type of Gas:

Min. Gas Supply for input Adj.  
Max. Gas Supply:  
Manifold Pressure:  
Max 180,000 BTU's/H

WARNING: Must Not Be Used For Cooking

WARNING: For Outdoor Use Only. If Stored Indoors, Detatch and Leave Cylindar Outdoors.

#### **MINIMUM CLEARANCES:**

Minimum clearances from side and back of unit to adjacent combustibile construction 10 foot from side and 10 foot from back.

Unit must be installed on a non-combustible surface

This appliance must be installed in accordance with local codes, if any. If none, follow ANSI Z223.1 installation codes

Manufacturer: Hearth & Home Technologies, Decatur, GA 30035

# Table of Contents

<b>1 Listing and Code Approvals</b>		<b>5 Gas Information</b>	
A. Appliance Certification . . . . .	3	A. Fuel . . . . .	10
B. BTU Specifications . . . . .	3	B. Gas Pressure . . . . .	10
<b>2 Getting Started</b>		C. Gas Connection . . . . .	11
A. Design and Installation Considerations . . . . .	5	D. High Altitude Installations . . . . .	11
B. Tools and Supplies Needed. . . . .	5	<b>6 Operating Instructions</b>	
C. Inspect the Appliance and Components . . . . .	6	A. Before Lighting Appliance . . . . .	12
<b>3 Framing and Clearances</b>		Lighting the Appliance . . . . .	13
A. Select Appliance Location . . . . .	7	B. After the Appliance is Lit . . . . .	14
B. Clearances . . . . .	7	<b>7 Troubleshooting</b>	15
<b>4 Appliance Setup</b>		<b>8 Maintaining and Servicing the Appliance</b>	16
A. Burner Assembly . . . . .	8	<b>9 Reference Materials</b>	
B. Log Assembly . . . . .	8	A. Service Parts List . . . . .	17
		B. Logs . . . . .	18
		C. Limited Lifetime Warranty . . . . .	20

# 1 Listing and Code Approvals

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## A. Appliance Certification

*MODELS:* Fogata Grande  
*LABORATORY:* OMNI-Test Laboratories, Inc.  
*TYPE:* Decorative Gas Log Set  
*STANDARD:* **CSA International Requirement 4.96 U.S. For Outdoor Gas Fireplaces, 2004**

The Fogata Grande has been tested in accordance with **CSA International Requirement 4.96 U.S. for Outdoor Gas Fireplaces, 2004** for the U.S. and Canada and has been listed by OMNI-Test Laboratories, Inc. for installation and operation as described in these installation and operating instructions.

The installation must conform with local codes or, in the absence of local codes, with the National Fuel Gas Code ANSI Z223.1 or CSA B149.1, Natural Gas and Propane Installation Code.

## B. BTU Specifications

Model	Max Input BTUH	Orifice Size
FG21SP-NG	180,000	19/64
FG21SP-LP	180,000	20

## 2 Getting Started

This appliance is a Decorative Gas Log Set for **OUTDOOR USE ONLY** and **MUST NOT** be used for cooking.

Place the Fogata Grande on a flat and stable non-combustible surface in an outdoor location such as a patio. This location must be adjacent to the gas supply line. **DO NOT locate the appliance where it can get excessively wet or submerged in water.**(Normal Weather Precipitation is acceptable)

**Do Not Burn Solid Fuels in This Appliance.**

### A. Design and Installation Considerations

When planning an appliance installation, it's necessary to determine the following information before installing:

- Where the appliance is to be installed. **See Sections 3 and 4.**
- Gas supply piping. **See Section 5.**
- Framing and finishing details. **See Sections 3 and 4.**

### B. Tools and Supplies Needed

Before beginning the installation be sure that the following tools and building supplies are available.

- Gloves
- Safety glasses
- Flat blade screwdriver
- Non-corrosive leak check solution
- Wrenches
- Drill and hex head drivers
- Masonry drill bit 3/16

### WARNING

Do NOT use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

### CAUTION

- Check building codes prior to installation.
- Installation **MUST** comply with local, regional, state and national codes and regulations.
  - Consult insurance carrier, local building, fire officials or authorities having jurisdiction about restrictions, installation inspection, and permits.

### WARNING



#### Asphyxiation Risk

- This gas log set is for outdoor use in a well-ventilated space.
- Log set must not be installed inside an enclosed structure or unvented appliance.



### WARNING

Hearth & Home Technologies disclaims any responsibility for, and the warranty will be voided by, the following actions:

- Installation and use of any damaged components.
- Modification of the burner or log assemblies.
- Installation other than as instructed by Hearth & Home Technologies.
- Improper positioning of the gas logs.
- Installation and/or use of any component part not approved by Hearth & Home Technologies.

**Any such action may cause a fire hazard.**

### CAUTION





#### Sharp Edges

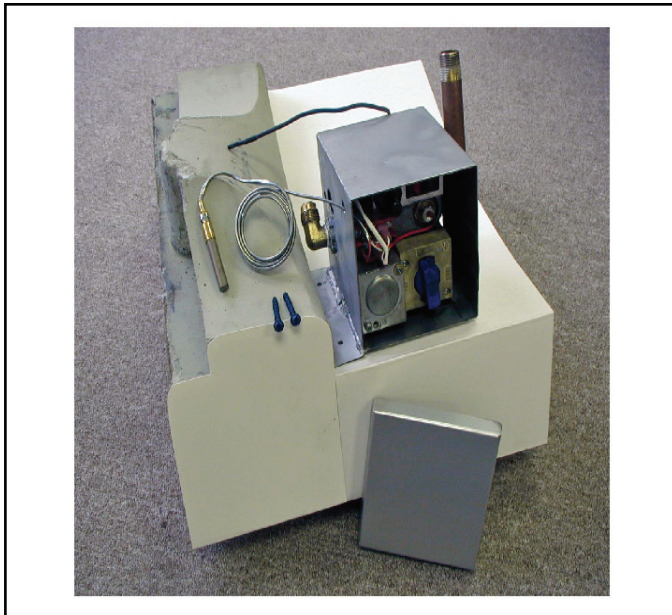
- Wear protective gloves and safety glasses during installation.



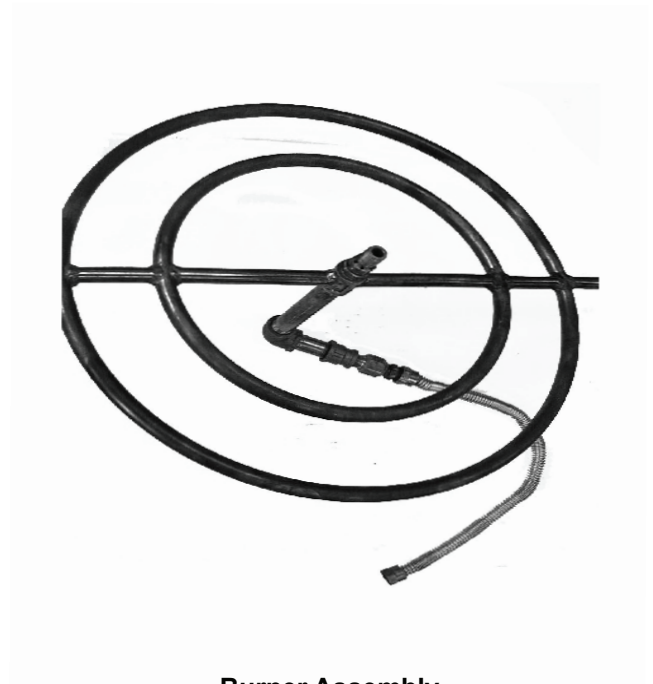
## C. Inspect the Appliance and Components

	<b>WARNING</b> Inspect appliance and components for damage. Damaged parts may impair safe operation.
	<ul style="list-style-type: none"><li>• Do NOT install damaged components.</li><li>• Do NOT install incomplete components.</li><li>• Do NOT install substitute components.</li></ul> Report damaged parts to dealer.

- Carefully remove the appliance and components from the packaging
- The gas logs may be packaged separately and must be field installed.
- Report to your dealer any parts damaged in shipment.
- **Read all of the instructions before starting the installation. Follow these instructions carefully during the installation to ensure maximum safety and benefit.**



**Valve Control Box Assembly**





**Burner Assembly**

# 3 Framing and Clearances

**Note:**

- Illustrations reflect typical installations and are FOR DESIGN PURPOSES ONLY.
- Illustrations/diagrams are not drawn to scale.
- Actual installation may vary due to individual design preference.

 <b>WARNING</b>	
	<b>Fire Risk</b>
	Provide adequate clearance:
	<ul style="list-style-type: none"><li>• Around air openings.</li><li>• For service access.</li></ul> Locate appliance away from traffic areas.

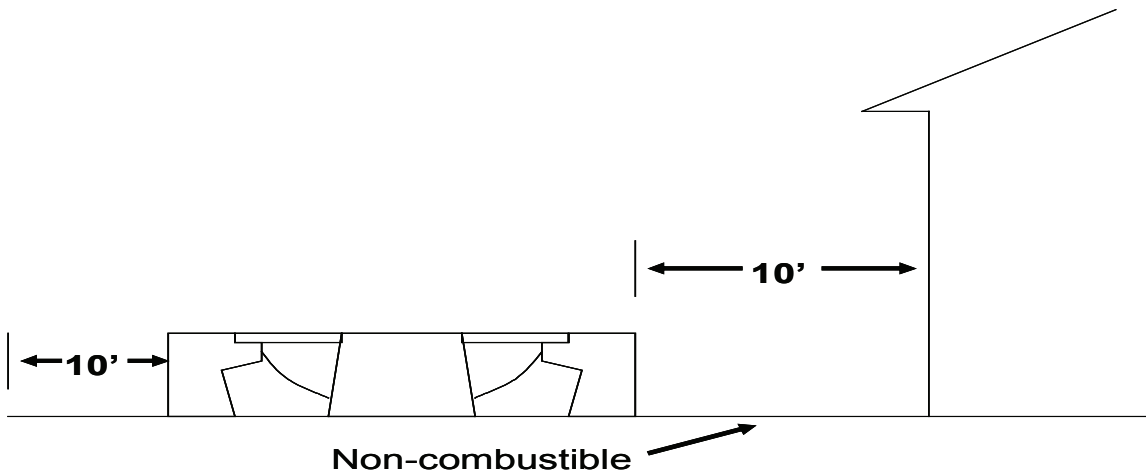
## A. Select Appliance Location

When selecting a location for your appliance it is important to consider the required clearances to all combustibles.

## B. Clearances

Place the Fogata Grande on a flat stable surface. The clearance requirements to any combustible material, to any side, is a minimum of 24 inches.

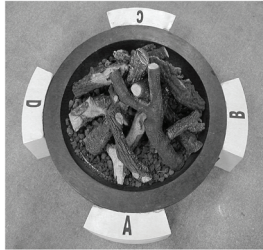
Combustible materials are not allowed over the top of the Fogata Grande.





# 4 Appliance Set Up

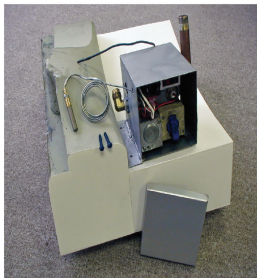
1) After placing the Fogata Grande in the desired location, locate the oval hole in the fire bowl and be sure it is positioned towards the leg where the gas connection is to be made.



**Figure 1**

2) With the letters provided, using tape, identify leg "A" as the leg to which the gas valve assembly will be attached.

Moving counter clock wise, lable the remaining legs "B", "C" and "D" as shown in Figure 1. This will assit you in installing the logs after the gas connections have been made.



**Figure 2**

3) As shown in Figure 2, lay leg "A" on its face (on a smooth non abrasive surface to prevent damaging the surface) to begin the assembly of the gas system.

As show, place the gas valve control box on the inside of leg "A". Locate the open end of the box assembly 1/2 inch back from the edge of the leg as shown in Figure 1.

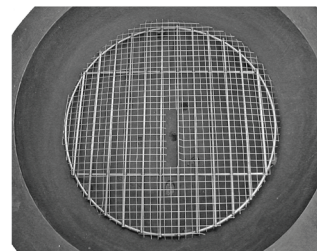
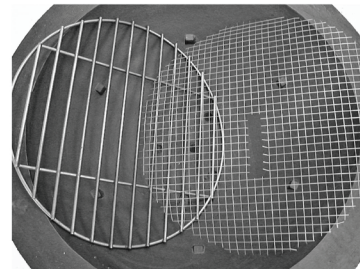
Next position the top flange with the two key hole anchoring holes approximately 3/4 inch down from the seam as shown. Pre-Drill the holes with a masonry drill bit and secure the two masonry screws through the top of the holes provided into the leg. Do not completely tighten since the control box will need to be removed in order to complete the final installation.

Once the screws have been installed, remove the valve control box in order to assemble the other componenets.



**Figure 3**

4) For your convenience, the Pilot assembly, Figure 3, may have already been installed on burner. In the event that the Pilot assembly is not installed, locate the cross section of the burner with the colored highlight. (this will be on the inner ring at the cross section. Note the port-holes will be facing down). Insert the Pilot hood bracket over the burner tube and slide it forward so the top front clip slides over the tube of the burner and covers the highlighted markings on the burner tube. In order to assemble the unit, the Pilot hood bracket may need to be inserted at an angle and twisted into place to ensure that the unit is in its proper position.



**Figure 4**

5) Place the stainless steel grate (heavy round bar grate, supplied with fire pit) in position in the lower part of the bowl. This grate will rest on top of the lower tabs.

Next place the screen over the grate so that the oval opening in the screen lines up with the direction of the stainless bars on the grate as shown in Figure 4.

Feed the burner flex line, pilot tube and piezo ignitor wire down through the center of the screen and grate and through the oval hole in the side of the bowl

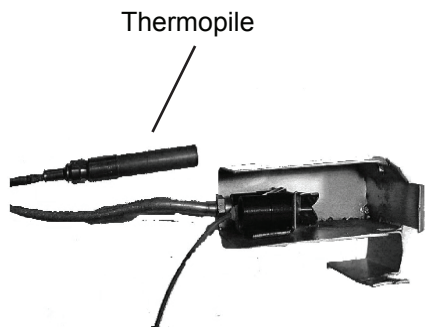
The burner will rest flat on the inside of the bowl.



6) With the valve control box under the edge of the bowl, connect the pilot tube to the top of the valve in the control box.

The stainless steel flex connector is to be connected to the brass elbow located on the top of the valve control box.

The piezo ignitor lead is to be connected to the ignitor lead coming out of the valve control box.



**Figure 5**

7) Feed the thermopile up through the oval hole in the bowl and insert it into the open hole in the pilot assembly. Ensure that the thermopile snaps into place and is securely in position to ensure proper connection.

8) Replace leg "A" under the Fogata Grande bowl and secure the valve control box on the two screws previously installed in step 3



9) With all the gas components now securely in place, take the lava rock supplied and spread it over the screen so that it covers the sides of the burner but ensure it does not cover the top of the burner in order to ensure proper flame

10) Log Installation and placement instructions for the log set are provided with the log set


# 5 Gas Information



## A. Fuel

Before making gas connections ensure appliance being installed is compatible with the available gas type.

## B. Gas Pressure

Proper input pressures are required for optimum appliance performance. Gas line sizing requirements need to be made following NFPA51.

 **WARNING**

**Fire Risk**  
**Explosion Risk**


Verify inlet pressures.



- High pressure may cause overfire condition.
- Low pressure may cause explosion.
- Verify minimum pressures when other household gas appliances are operating.

Install regulator upstream of valve if line pressure is greater than 1/2 psig.

Pressure requirements for appliance are shown in table below. Minimum pressures must be met when other household gas appliances are operating.

Pressure	Natural Gas	Propane
Minimum Inlet Pressure	5.0 in. w.c.	11.0 in. w.c.
Maximum Inlet Pressure	7.0 in. w.c.	14.0 in. w.c.


 **WARNING**



  


**Fire Risk**  
**Explosion Risk**

High pressure will damage valve.

- Disconnect gas supply piping BEFORE pressure testing gas line at test pressures above 1/2 psig.
- Close the manual shutoff valve BEFORE pressure testing gas line at test pressures equal to or less than 1/2 psig.


 **WARNING**




  


**Fire Risk**  
**Explosion Risk**

Do NOT change the valve settings.

- This valve has been preset at the factory.
- Changing valve settings may result in fire hazard or bodily injury.


 **WARNING**


  
  


**CHECK FOR GAS LEAKS**  
**Fire Risk**  
**Explosion Risk**  
**Asphyxiation Risk**

- Check all fittings and connections.
- Do not use open flame.
- After the gas line installation is complete, all connections must be tightened and checked for leaks with a commercially available, non-corrosive leak check solution. Be sure to rinse off all leak check solution following testing.


Fittings and connections may have loosened during shipping and handling.

 **WARNING**



**Shock Risk**  
**Explosion Risk**

Do NOT wire 110V to valve.



- Gas Supply Pressure: Minimum inlet gas supply pressure must be 5 in. W.C. for natural gas or 11 in. W.C. for LP gas for the purpose of input adjustment. Maximum inlet gas pressure must not exceed 7.0 in. W.C. for natural gas or 14 in. W.C. for LP gas. The gas line supplying the appliance must be sufficient size to furnish the appropriate supply pressure to the appliance while operating in the "High" setting.

The size and capacity of the LP supply tank must be able to supply LP gas, pressure and capacity for the 180,000 BTU's required to operate this appliance. Check with your LP gas supplier for appropriate sizing of tank and supply lines.

- Gas Line Pressure Test: Perform pressure test according to state and local code (if pressure exceeds 1/2 in. psi [3.5 kPa]) before appliance is connected. Be sure to release air pressure from the gas line before connection is made to the appliance. Excessive pressure will damage the gas control and may cause a gas leak.
- Gas Leak Test: Make sure the gas connections are tight. Turn on the gas and coat each joint with a non-corrosive gas leak check solution. Air bubbles will form indicating any leaks. DO NOT USE A FLAME OR ANY TYPE OF IGNITION SOURCE TO CHECK FOR LEAKS. All leaks must be corrected before proceeding with installation.

## C. Gas Connection

**Note:** Have the gas supply line installed in accordance with local building codes, if any. If not, follow **ANSI 223.1**. Installation should be done by a qualified installer approved and/or licensed as required by the locality. (In the Commonwealth of Massachusetts installation must be performed by a licensed plumber or gas fitter.)

**Note:** A listed (and Commonwealth of Massachusetts approved) 1/2 in. (13 mm) T-handle manual shut-off valve and flexible gas connector are connected to the 1/2 in. (13 mm) control valve inlet.

- **If substituting for these components, please consult local codes for compliance.**



### **WARNING**

#### **Fire Risk Explosion Risk**

- Gas build-up during line purge may ignite.
- Purge should be performed by qualified technician.
- Ensure adequate ventilation.
- Ensure there are no ignition sources such as sparks or open flames.



- Incoming gas line should be piped to the 1/2 in. connection.
- The appliance and its individual shutoff valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2 psi (3.5 kPa).
- A small amount of air will be in the gas supply lines. When first lighting appliance it will take a short time for air to purge from lines. Subsequent lighting of the log set will not require such purging.



### **WARNING**

#### **CHECK FOR GAS LEAKS**

#### **Fire Risk Explosion Risk Asphyxiation Risk**

- Check all fittings and connections.
- Do not use open flame.
- After the gas line installation is complete, all connections must be tightened and checked for leaks with a commercially available, non-corrosive leak check solution. Be sure to rinse off all leak check solution following testing.

Fittings and connections may have loosened during shipping and handling.



## D. High Altitude Installations

OMNI gas appliances are tested and approved without requiring changes for elevations from 0 to 2000 ft in the USA and Canada.

When installing this appliance at an elevation above 2000 ft, it may be necessary to decrease the input rating by changing the existing burner orifice to a smaller size. Input rate should be reduced by 4% for each 1000 ft above a 2000 ft elevation in the U.S.A., or 10% for elevations between 2000 and 4500 ft in Canada. If the heating value of the gas has been reduced, these rules do not apply. To identify the proper orifice size, check with the local gas utility.

If installing this appliance at an elevation above 4500 ft (in Canada), check with local authorities.

# 6 Operating Instructions

## A. Before Lighting Appliance

- Before lighting this appliance, ensure the manual shutoff valve is open.

### Before operating this appliance, have a qualified technician:

- Inspect the burner before each use of the gas log set. If there is any evidence that the burner is damaged, it must be replaced before operating.
- Review proper placement of logs.
- Ensure that there are no gas leaks.
- Ensure that the flow of combustion and ventilation air is not obstructed.

### **⚠ WARNING**

Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to the owner's information manual provided with this appliance. For assistance or additional information consult a qualified installer, service agency or the gas supplier.

### **⚠ WARNING**

Do NOT use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

### **⚠ WARNING**



**Fire Risk**

**Burn Risk**

**HOT! DO NOT TOUCH.**

**SEVERE BURNS MAY RESULT.**

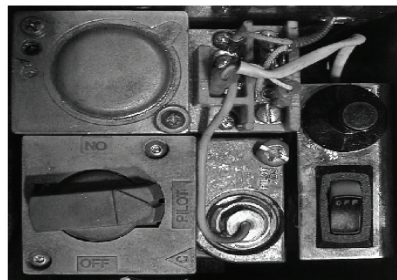
**CLOTHING IGNITION MAY RESULT**



Glass and other surfaces are hot during operation and cool down.

- Keep children away.
- CAREFULLY SUPERVISE children in same room as appliance.
- Alert children and adults to hazards of high temperatures.
- Keep clothing, furniture, draperies and other combustibles away.

Valve Control Knob



Piezo

On/Off Switch

### **⚠ WARNING**

The lighting instructions and operation of the unit are described on the following instructional page and MUST be followed to ensure the safe operation of this appliance.

## LIGHTING INSTRUCTIONS MILLIVOLT VALVE

1. STOP! Read the safety information previously listed above.
2. Turn gas control handle clockwise → to the ‘OFF’ position.
3. Wait five (5) minutes to clear out any gas. Then smell for gas, including near the floor. If you smell gas, STOP! Follow ‘B’ in the safety information above on this label. If you don’t smell gas, go to the next step.
4. Locate pilot (Fig. 10) – located at center of pan burner mounted on the rear of the pan burner.
5. Make sure toggle switch is in the ‘‘OFF’’ position (Fig. 9)
6. Turn control handle counterclockwise ← to the ‘‘PILOT’’ position (Fig. 9)
7. Place a lit match at the pilot burner, and simultaneously push in on the control handle. This should ignite the pilot. (if you have optional piezo ignitor on pilot, follow instructions below)
8. Once the pilot lights, continue to depress the control handle for one (1) minute.
9. After one minute, slowly release control handle and it will pop back out. Pilot should remain lit. If it goes out repeat steps 1 thru 8.
  - If the handle does not pop out when released, stop and immediately call your service technician or gas supplier
  - If the pilot will not stay lit after several tries, turn the gas control handle to ‘‘OFF’’ and call your service technician or gas supplier.
  - LIGHTING PILOT WITH OPTIONAL PIEZO LIGHTER
    1. Follow steps 1 thru 5 above.
    2. Push the control handle in and at the same time press the push-button ignitor several times. This should cause a spark at the pilot burner and ignite the pilot
    3. Once the pilot lights, continue to depress the control handle for one (1) minute
    4. After one minute, release control handle and the pilot should remain lit
    5. If the pilot does not remain lit, rotate control handle to ‘‘OFF’’ position (Fig. 9)
    6. Wait five (5) minutes and repeat above steps
10. Turn control handle counterclockwise ← to ‘‘ON’’
11. Place toggle switch in the ‘‘ON’’ position (Fig. 9)

## TO TURN OFF GAS TO APPLIANCE

Turn control handle clockwise → to the ‘‘OFF’’ position. Do not force

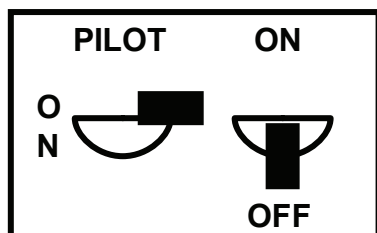


Fig. 9

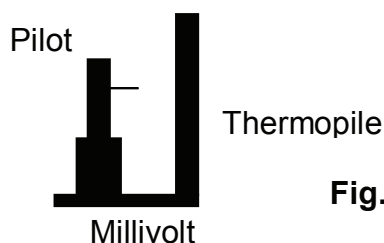


Fig. 10

## B. After the Appliance is Lit

### Initial Break-in Procedure

When you light the appliance, you may notice that it produces heat which may have an odor or smell. If you feel this odor is excessive it may require the initial three to four hour continuous burn on high followed by a second burn up to 3 hours to fully drive off any odor from paint and lubricants used in the manufacturing process.

**Note:** This appliance should be run three to four hours on the initial start-up. Turn it off and let it cool completely. This will help cure the products used in the paint and logs.



### **WARNING**

#### **Fire Risk**

Keep combustible materials, gasoline and other flammable vapors and liquids clear of appliance.

- Do NOT store flammable materials in the vicinity of the appliance.
- Do NOT use gasoline, lantern fuel, kerosene, charcoal lighter fluid or similar liquids in this appliance.

Combustible materials may ignite.



### **WARNING**

#### **Fire Risk**

#### **High Temperatures**

Keep combustible household items away from appliance.

- Do NOT obstruct combustion and ventilation air.
- Do NOT place combustible items on top of or near appliance.
- Keep furniture, draperies away from appliance.

## C. Inspection Before Each Use

Before each use of the appliance, check to be sure that the logs are in proper locations and that the burner is not obstructed with any foreign or combustible materials. Check that the burner and all air passageways are kept clean.

If any part of the burner is not igniting properly, turn off the appliance. Let it cool, and check for any obstructions.

# 7 Troubleshooting

## A. Troubleshooting


With proper installation and maintenance, your new decorative gas appliance should provide years of trouble-free service. If you do experience a problem, refer to the troubleshooting guide below. This guide will assist you or a qualified service technician in the diagnosis of problems and the corrective action to be taken.





Symptoms	Possible Causes	Corrective Action
1. A match or piezzo will not light the pilot.	A. Main gas shutoff valve is closed	1. Make sure that the shutoff valve located on the incoming gas line is open.
	B. There is air in the gas line.	1. Light a match. Turn the valve knob to the "PILOT" position and depress. Keep the match near the pilot burner until it lights.
	C. The valve knob is in the "OFF" position.	1. Turn the valve knob to the "PILOT" position and depress. Keep the match near the pilot burner until it lights.
	D. The pilot orifice is plugged, not allowing gas to flow.	1. This repair requires tools and some degree of experience. Call a qualified service technician.
	E. There is no gas supply to the fireplace.	1. Check the plumbing to ensure the fireplace has been hooked up the gas supply line. 2. The propane tank is empty.
2. The pilot lights, but will not stay lit after carefully following lighting instructions.	A. There is a weak pilot flame	1. The pilot flame must engulf the thermocouple. Clean and/or adjust the pilot for maximum flame impingement on the thermocouple.
3. The pilot is on, but there is no gas to the main burner; the valve knob is on.	A. A blockage is preventing gas flow.	1. Inspect the burner orifice for obstruction. Call a qualified service technician.
	B. Defective valve.	1. Replace the gas valve. Call a qualified service technician.



# 8 Maintaining and Servicing the Appliance

Although the frequency of appliance servicing and maintenance will depend on use and the type of installation, a qualified service technician should perform an appliance check-up annually.

 <b>WARNING</b>
<b>Risk of injury or property damage</b>
<b>Before servicing:</b>
<ul style="list-style-type: none"> <li>• Turn off utilities to appliance.</li> <li>• Ensure appliance is completely cooled.</li> </ul>

 <b>WARNING</b>	
	Annual inspection by qualified technician recommended.
	<b>Check:</b>
	<ul style="list-style-type: none"> <li>• Obstructions of combustion and ventilation air.</li> <li>• Condition of logs.</li> <li>• Condition of burner assembly.</li> <li>• Burner ignition and operation.</li> <li>• Burner air shutter adjustment.</li> <li>• Gas connections and fittings.</li> </ul>
	<b>Risk of:</b>
	<ul style="list-style-type: none"> <li>• Fire</li> <li>• Delayed ignition or explosion</li> <li>• Exposure to combustion fumes</li> <li>• Odors</li> </ul>

## Maintenance and Service Tasks:

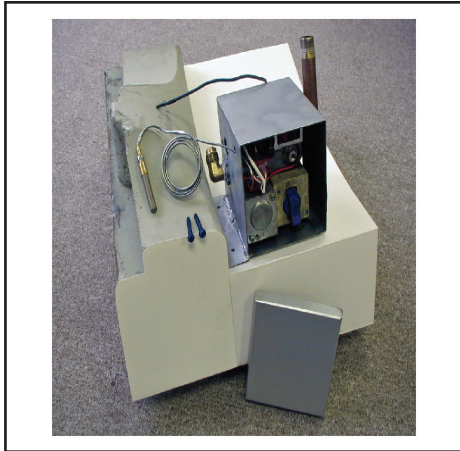
Inspect	Maintenance Tasks	
Burner Assembly	1	Remove logs and examine burner. Vacuum and wipe out dust, cobwebs, debris or pet hair. Use caution when cleaning these areas. Screw tips that have penetrated the sheet metal are sharp and should be avoided.
	2	Remove any foreign objects
	3	Inspect for paint condition, warpage, corrosion. Sand and repaint as necessary.
	4	Verify unobstructed air circulation.
Logs	1	Inspect for broken, damaged or missing logs. Replace as necessary.
	2	Verify correct log placement and no flame impingement causing sooting. Correct as necessary.
	3	Verify logs are clean and carbon (soot) free. Logs may be cleaned with a dry bristle brush or dry cloth. Handle logs with care as they are fragile and easily damaged.
Burner ignition and operation	1	Verify all gas connections are tight and leak-free.
	2	Clean off burner top corrosion or deterioration. Replace burner if necessary.
	3	Check for smooth lighting and ignition carryover to all ports. Verify there is no ignition delay.
	4	Inspect for lifting or other flame problems.
	5	Inspect orifice for soot, dirt or corrosion.
	6	Verify manifold and inlet pressures. Adjust regulator as required.

# 9 Reference Materials

## A. Service Parts List

### *Service Parts*

# FOGATA GRANDE



#	Description of Part	Part Number	Qty.
1	Valve Assembly Complete	SRV-FG-VA	1
2	Thermopile	SRV-FG-THPL	1
3	Burner Assembly Complete	SRV-FG-BA	1
4	Pilot Assembly (without Thermopile)	SRV-FG-PA	1

B. Logs



**Log 1**



**Log 2**



**Log 3**



**Log 4**



**Log 5**



**Log 6**



**Log 7**



**Log 8**



**Log 9**

#	Description of Part	Part Number	Qty.
1	Log 1	SRV-FG-001	1
2	Log 2	SRV-FG-002	1
3	Log 3	SRV-FG-003	1
4	Log 4	SRV-FG-004	1
5	Log 5	SRV-FG-005	1
6	Log 6	SRV-FG-006	1
7	Log 7	SRV-FG-007	1
8	Log 8	SRV-FG-008	1
9	Log 9	SRV-FG-009	1

**B. Logs (continued)**



**Log 10**



**Log 11**



**Log 12**



**Log 13**



**Log 14**



**Log 15**



**Log 16**



**Log 17**

#	Description of Part	Part Number	Qty.
1	Log 10	SRV-FG-010	1
2	Log 11	SRV-FG-011	1
3	Log 12	SRV-FG-012	1
4	Log 13	SRV-FG-013	1
4	Log 14	SRV-FG-014	1
5	Log 15	SRV-FG-015	1
6	Log 16	SRV-FG-016	1
7	Log 17	SRV-FG-017	1

## C. Limited Lifetime Warranty



Hearth & Home Technologies Inc.

### Outdoor Products Limited One Year Warranty

Hearth & Home Technologies Inc. extends the following warranty for Hearth & Home Technologies outdoor products used in the United States of America or Canada. Dealers and employees of Hearth & Home Technologies have no authority to make any warranty or authorize any remedies in addition to or inconsistent with the terms of this warranty. This warranty gives you specific legal rights. You may also have other rights that vary from state to state.

Hearth & Home Technologies warrants that this Hearth & Home Technologies Outdoor Product (the "Product") will be free from defects in material and workmanship for a period of one year from its date of purchase. This warranty is subject to the conditions, exclusions and limitations described below.

This warranty applies only to the original owner of the Product and is non-transferable. Hearth & Home Technologies' obligation under this warranty does not extend to damages resulting from (1) assembly, operation or maintenance of the Product not in accordance with the Installation/Assembly Instructions, Operating Instructions and the Listing Agency Identification Label furnished with the Product; (2) installation or use which does not comply with local building codes and ordinances; (3) shipping, improper handling, improper operation, abuse, misuse, accident or unworkmanlike repairs; (4) use of fuels other than those specified in the Operating Instructions; (5) Installation or use of components not supplied with the Product or any other components not expressly authorized and approved in writing by Hearth & Home Technologies; and/or (6) modification of the Product not expressly authorized and approved in writing by Hearth & Home Technologies. Any of the circumstances described in the previous sentence voids this warranty. This warranty is void if the Product or any component has been removed, repaired, or replaced before Hearth & Home Technologies has been afforded a reasonable opportunity to inspect the Product.

This warranty is limited to the replacement or repair of defective components or workmanship and Hearth & Home Technologies may fully discharge its obligations under this warranty by repairing or replacing, at its discretion, the defective components. Hearth & Home Technologies will provide replacement parts at no charge and will pay reasonable and necessary labor and freight costs related to replacing or repairing defective components under this warranty. The maximum amount recoverable under this warranty is limited to the purchase price of the Product and, if Hearth & Home Technologies is unable to provide replacement or repair in an expedient and cost-effective manner, Hearth & Home Technologies may discharge all obligations under this warranty by refunding the purchase price of the Product.

EXCEPT TO THE EXTENT PROVIDED BY LAW, HEARTH & HOME TECHNOLOGIES MAKES NO EXPRESS WARRANTIES OTHER THAN THE WARRANTY EXPRESSED HEREIN. THE DURATION OF ANY IMPLIED WARRANTY IS LIMITED TO THE DURATION OF THE WARRANTY SPECIFIED ABOVE. IN NO EVENT SHALL HEARTH & HOME TECHNOLOGIES BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES CAUSED BY DEFECTS IN THE PRODUCT. Some states do not allow limitations on how long an implied warranty lasts, or do not allow exclusion or limitation of incidental or consequential damages, so these limitations may not apply to you.

#### To obtain service under this warranty, you must:

1. Send written notice of the claimed condition to: The Technical Services Department, Hearth & Home Technologies Inc., Mt. Pleasant, 1915 W. Saunders St., Mt. Pleasant, IA 52641 (phone: 1-800-927-6841).
2. Affirm that you are the original owner of the Product.
3. Provide Hearth & Home Technologies reasonable opportunity to investigate the claim, including reasonable opportunity to inspect the Product prior to any repair or replacement work and before the Product or any component of the Product has been removed.
4. Obtain Hearth & Home Technologies' consent to any warranty work before the work is done.